



Fire Program Analysis

FPA-Preparedness Module (PM)

Technical Certification of Analysis

December 8, 2005

Topic: Define the technical certification process and standards for Fire Program Analysis (FPA) at the Fire Planning Unit, regional/state and national levels for the FY08 Budget Development and Delivery (BDD).

Issue: A clear FPA-PM technical certification and approval process is needed to identify the steps that contribute to the FY08 Preparedness budget submission.

Background: FPA-PM is the first of multiple modules that will provide a common planning analysis and budget tool that the five federal wildland fire management agencies will use for budget submission and allocation in FY 2010.

FPA-PM analyzes the initial response portion of the Preparedness program that includes initial attack and wildland fire use. The remaining interagency wildland fire organization's budget will be included in a complementary system called Budget Development and Delivery or BDD. These two systems will contain the entire interagency wildland fire preparedness organization to roll up into the departments' fire management budget request meeting the direction from Congress and OMB.

FPU Level:

Technical Certification: The certification will be conducted by the FPU interagency team with participation of at least one technical Specialist from outside the FPU identified by the Geographic Area. This certification confirms that all work accomplished to establish FPU is complete, includes all partners, and the FPA-PM analysis was completed.

Most of this review can be completed online with Reader access using standard reports. Those items relating to Historic Analysis (PCHA) can be reviewed by looking at the historic analysis database.)

Technical certification should be documented and discussed with each of the FPU's line officers.

Disputes:

- Should a member of the FPU disagree with the analysis process, resolution should initially be resolved at the FPU level in accordance with the FPU charter or other applicable agreements.
- If resolution fails at the FPU level, the dispute is elevated to the next level Line Officer (or their designee) and resolved according to the Geographic Area's charter.

Checklist for FPU Technical Certification

In order to “technically certify” an analysis for budget request submission, the following analysis criteria must be met:

- The desired Planning Data Set has been analyzed and is in “completed” state;
- The analysis was an “Analyze All Resources” run;
- There is at least one feasible (optimal) cost limit.

The following table allows reviewers to check specific items either using access to the FPA database or by means of user generated printed materials.

Analysis Product	Reviewed	
	Hardcopy	Digital
FPA-HA		
Review HA Inputs		
Data ranges (fire, weather) are consistent with national direction		
All partner’s fires included		
Weather stations assigned to FMUs		
Weather datasets built and checked for missing data		
Check for duplicate fires		
Fires assigned to FMUs		
Check assignment results		
Calculate/Edit Workload Points		
If edited are the new locations reasonable		
Source of Slope/Aspect/Elevation data		
FMU Fuel Types		
Reflect “normal” fire conditions		
If canopy fire is considered are parameters reasonable		
Percentages assigned		
Probability scenario and XML file generated		
FPA-PM Planning Dataset		
Correct dataset completed for review		
Correct lookup dataset used		
FPA-PM Data Entry		
FPU Data		
All participants listed and correctly shown as included in budget		
Analysis parameters meet system requirements		
FMU Data		
FMU named		
FMU objectives are properly related to land/resource/fire management plans		
Burnable acres correct		
Walk-in delay correct		
Percent walk-in fires correct		
SEAT reload time correct if used		
Engine reload time correct for FMU		
Helicopter reload time correct		
Water tender arrival time (if not used should be greater than 240 minutes)		
Correct workload point latitude/longitude from FPA-HA		
Typical discovery fire size reasonable		
GIS information (optional)		

Analysis Product	Reviewed	
	Hardcopy	Digital
Associated with FPU		
FMU ownership correctly listed (multiple owners)		
FMU fire protection responsibility correctly listed		
FMU weights match working weighting documents		
FMU constraints correctly entered		
FMU specific fuel conditions correctly entered as needed		
Dispatch Locations		
All potential locations included		
If not associated, why?		
Associated with the appropriate FMUs		
Correct staffing area selected		
Air tanker reload capacity defined to whitepaper standard		
Facility capacity appropriately entered		
User Selected Fire Resources		
Appropriate local identifier		
Does each resource exist in current organization		
Is the correct funding category selected		
Is usage indicator set correctly		
Is resource assigned to the correct dispatch location		
Is the correct facility capacity associated with resource		
Is the resource correctly identified as to Kind/Category/Type/Staffing		
Is the resource owner correctly identified		
Check for override default in arrival minutes. Is this new figure justifiable?		
For loaned resources Did the FPU show those fire resources outside the FPU that should be considered in the analysis as "loaned" resources?		
For non-budgeted resources Did the FPU show those fire resources that should be considered in the analysis as "non-budgeted" resources?		
Historic Analysis Scenario		
XML file imported is identical to FPA-HA analysis		
Completed Optimization Run		
Have unassigned resources been assigned to dispatch locations		
Have leadership and support costs been correctly allocated		

Un-shaded boxes indicate a product should be available to look at, most things should be able to be reviewed directly by viewing the planning dataset or HA mdb file.

Summary: The process outlined in this paper is for certification of the FPA-PM analysis of the initial response portion of the preparedness budget development.